# DARUL HUDA EXAMINATION BOARD
## ANNUAL EXAMINATION-MARCH 2022

**Time: 2hr(s)** **Sub: MATHEMATICS** **Marks: 50** **STD: I**

**I. Fill in the blanks** **1*10=10**

1. Top number of a fraction is called .....
2. In $\frac{1}{4}$, denominator is .....
3. ..... is bounded by two fixed end points....
4. Quarter is written as .....
5. Perimeter of a rectangle is .....
6. 0.237 ..... 0.236 (<,>,=)
7. A ..... is a combination of points such that every point is equidistant from the centre.
8. The amount of surface enclosed by a closed figure is called its .....
9. $\frac{2}{5} + \frac{6}{5}$ = .....
10. Area of a square = .....

**II. Answer the following (any ten)** **4*10=40**

11. Write the natural numbers from 102 to 113. What fraction of them are prime numbers?
12. Draw a line *l* and a point X on it. Through X, draw a line segment XY perpendicular to *l*.
13. Find the equivalent fraction of $\frac{3}{5}$ having:

a). denominator 20 b). denominator 30
c). numerator 9 d). numerator 27

14. Express the mixed fractions as improper fractions and improper fractions as mixed fractions.

a) $3\frac{2}{12}$ b) $\frac{20}{3}$ c) $\frac{35}{9}$ d) $6\frac{7}{3}$

15. Rashid spent Rs 35.75 for Maths book and Rs 32.60 fir science book. Find the total amount spend by Rashid
16. Solve these:

a) y + 4 =15 b) z + 3 = 14 c) y – 4 =15 d) z – 3 =14

17. Find the areas of the rectangles whose sides are:

a) 3cm and 4 cm b) 12m and 21 m c) 2km and 3 km d) 2m and 70 cm

18. A room is 4 m long and 3 m 50 cm wide. How many square meters of carpet is needed to cover the floor of room?
19. Draw a right angle and construct its bisector
20. Solve

a) $\frac{5}{6} - \frac{3}{4}$ b) $\frac{12}{60} + \frac{10}{30}$ c) 0.007 + 8.5 d) 7.45 – 5.30

21. With the same centre o, draw two circles of radii 4cm and 2.5cm.
22. The perimeter of a regular pentagon is 100 cm. How long is its each side?
23. Express **m** as **km** and **g** as **kg** using decimals

a) 26kg 50g b) 70km 5m c) 8888m d) 3750g